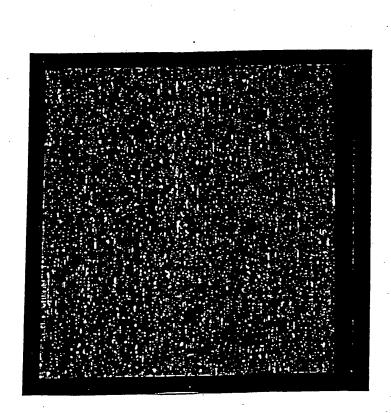
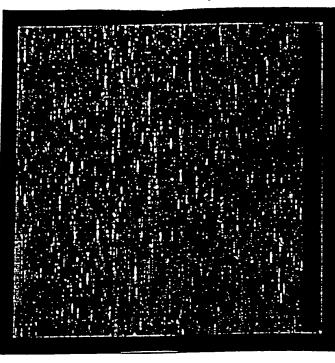
Gene Expression in Main Olfactory Epithelium

Gene Expression in Single Olfactory Sensory Neuron



Murine 11KsubA P% = 35%

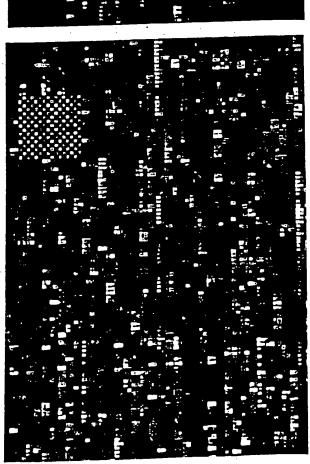


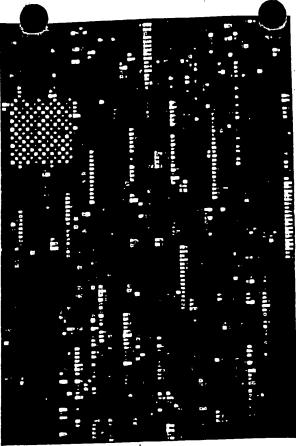
Murine 11KsubA P% = 18%

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Gene Expression in Main Olfactory Epithelium

Gene Expression in Single Olfactory Sensory Neuron





Murine 11KsubA P% = 35%

Murine 11KsubA P% = 18%

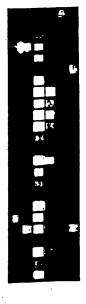
Signature Molecules Expressed In Retina



Msa.2208 PDE



X66196 Recoverin



Msa.1247.0Transducin



L36860 GCAP



M55171 Rhodopsin

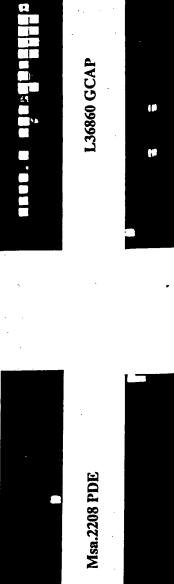


M24086 Arrestin



AF000149 ABCR

Signature Molecules Expressed In A Photoreceptor Cell





X66196 Recoverin

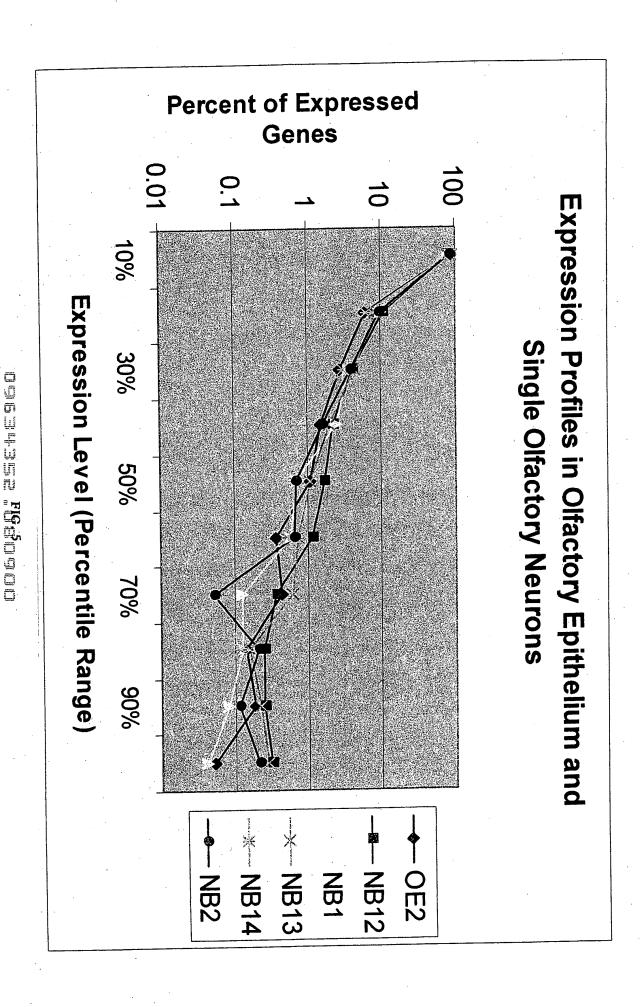


M24086 Arrestin

Msa.1247.0Transducin

AF000149 ABCR

4



Correllation of Gene Expression Profiles by Southern Blot and Microarray Hybridization

Gene	NB7	NB9	MB2	NG-	NB13	MB3	NB8	NB12	MB6
GNA	1	+	+	t			-		ge (gersyngrappe) in Cabrille
AP-43			+	‡	•				and the second s
n-89	o manager occupantation representation of				+		+		
0x-11				‡			172000000000000000000000000000000000000	+	(N. 20.23 S. A.)
d y	‡	‡	ţ	‡	‡	‡	‡	‡	‡

Southern Blot

	Annual and a second sec		1	0001	CON	MR4	MR43	MR3	KES F	NB12	4B6
	Probe Set	Sene	Ž	202							
	1000000	S. Carrie	Contract of the second	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			45 A	-15 A	-15A 9A -14A -3A	-14 A	٠. هر
٠	A33000_8_81						The second second	-			0 000
	to a gracul	į	4197 A	-184 A	4.618		354 P	-215 A	-10.4	₹	-23b A
	002000 s_a	d Z					00,000	0 20	JOHN D	185 A	24.8
	C78048 rc at	2	19 A	-52 A	24 A] \	13340 F	₩ C7-	L 100	3	
			2	900	V 20	403E D	17 B	-58 A	-45 A	277 P	-43 A
	AF009414 g at	8	₹ ??	₩ 07-	3	- 272				Carried Section 2	4 000
	10 0 3 PC - 17 1	Č	114 A	170 A	-181 A	-172 A	114 A 170 A 1-181 A 1-172 A 259 A	-415 A	-415 A 63 A	₩ 067	332 A
	MS8.240.0_a	5				-	Charles and a superior of the	The same of the sa			

Microarray

ngsakase asagol

		Σ					Z			တ			Ш		>				I
	-11 -6 -9 -11 MOE6 NB	6-	11-11	MOEB	NB2	1 ZBN	NB8 2	2NB3 2	ZNB9 NE	NB10 2NB6	6 2NB10	0 1E4	1E6	4E7	SC16 SC26	26 MOE1	E1 MOE2	2 HEART	7
11	1 0.0	0.66 0.68 0.69 0.71 0	90 8	12.0	0.53	0.57	0.63	0.5	0.49	0.4 0.51	11 0.53	53 0.1	0.15	0.33	0.57	0.90	0.42 0	.0	24
φ	The state of the s	1.06	90.0	0.69 0.68 0.75 0	0.46	0.58	0.56	0.46	0.51	0.38 0.5	5 0.45	15, 0.11	0.15	0.32	0.58		0.39 - 0.4	1	0.24
<u>9</u>	i		79.0	0.73 0	0.46	0.55	0.55	0.46	0.5 C	0.37 0.51	51 0.47	17 0.12	2 0.18	0.36	0.64 0	0.66	0.4 0.45		0.24
-11			ľ	10.7	0.5	0.57	0.64	20	0.47	0.44 0.54	54 0.54	54 0.12	2 0.16	0.32	0.8.0	1	0.394 0.47		0.22
MOEE				_	74.0	0.55	0.59	0.49	0.51	0.39 ** 0.53		0.47 0.12	2 0.17	0.35	0.65 0	0.64	0.4		0.24
B2		A TOTAL OF THE PROPERTY OF THE			-	0.56	0.52	0,49	0.420	0.49 0	51 0.	0.46 0.13	3 0.18	0.43	0.49 0				0.19
NB7						Γ	0.59	0.52	0.54	46 0.44		0.42 0.23	3 0.24	0.38	0.55 0	0.52 0	16		0.24
88							<u>-</u>	0.48	0.45	0.42 0.44		0.4 0.15	5 0.19	0.33	0.57	0.50	.36	14.0	0.2
NB3								-	0.56	0,38 0.48		0.42 0.26	3 0.24			0,48 0			0.18
69	e e e e e e e e e e e e e e e e e e e								1	0.33	0.4	0.38 0.26	5 0.24	0.36	0.44 0	0.46 0	35 0.37		0.17
B10	The Thinkson former from the control of the control									1 0	Ŋ	0.58 0.	2 0.23	e o	0.4 0	0.38			0.19
NB6	- and the first of the second					!					1	0.56, 0.18	3 0.23	0.33	0.51 0	0.51	0,33 0,39		0.18
NEA	Management of the Control of the Con											1 0.18	3 0.2	60	0.48 0	0.43 0		0.45 0	0.21
1F.4	the state of the s	-					-	-					0.54		0.14 0	0.13	0.17 0.	0.13 0	99
FR							į			, and the		The second secon		0.24	0.14 0	0.16 (0.22 0.		0.07
4E7														1	0.3 0	0.33			0.13
SCIB															-	0.67			0.22
5026																-	0.32 0.		0.2
QEI	mar nematical and a reasonable to a second		-			mand or Co											1 0.	0.88.0	8 0
MOE2												: :				:	:		0.42
FART			***********	o di Mandonia								****	-						

0.55<=X 0.4<X<0.54 0.25<X<0.39 x<0.25

FIG. 7

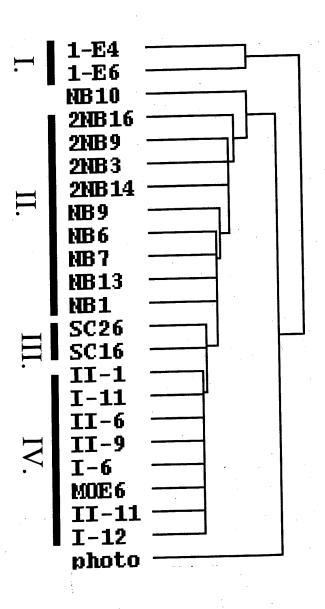
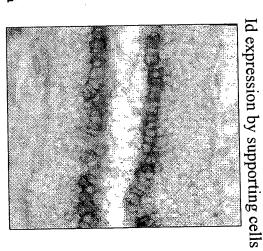


FIG. 8

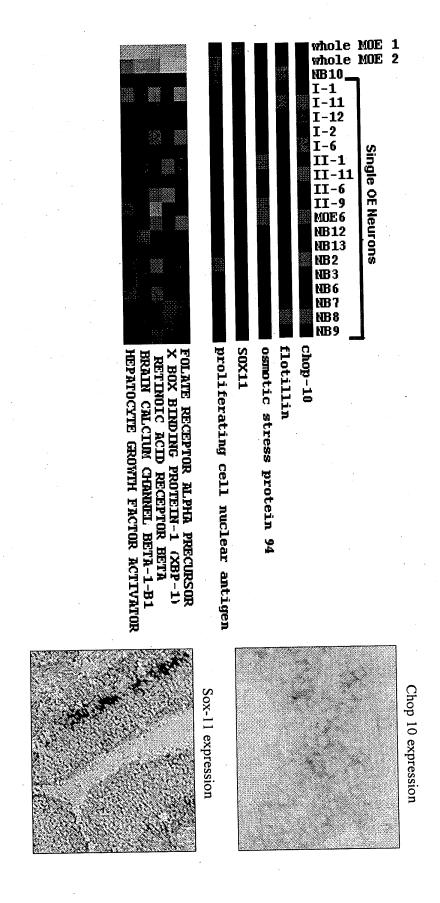
Characteristic gene cluster identifying NB10 as a supporting cell

MOE 1 MOE 2 NB10 . I-1 I-11 I-2 I-6 II-1 II-6 II-9 MOE 6 cDNA clone 681513 protein-tyrosine kinase substrate p36 N-formyl newtide chemotactic receptor FARMESYL DIPHOSPHATE SYNTHETASE GUANINE NUCLEOTIDE-BINDING PROTEIN G(S), ALPHA scaffold protein Phpl PHOSPHOGLYCERATE MUTASE, BRAIN FORM clone 403130 TRANSDUCIN BETA CHAIN 2 profilin profilin. BETA-ADAPTIN

Single OF Neurons



cannot be detected in transcripts from whole tissue and Specific gene expression in individual neurons allows one to identify neuronal cell types



restase osci